



CS 221

ALL VOLTAGES ARE + 5 Vcc UNLESS SPECIFIED
 ALL IC = SN 74C04 ARE SUPPLIED WITH + 12 Vcc EXCEPT IC L5
 ALL RESISTORS ARE 1/4 Watt 5% UNLESS SPECIFIED

- 23 GND
- 24 GND
- 25 DOWN-ARROW STARTMAN
- 26 EXTENDED PLAY 1-2
- 27 START
- 28 CAR 1 DRIVE DISABLING
- 29 COIN
- 30 FINAL TURN MORE CUP
- 31 STARTMAN
- 32 CAR 2 DRIVE ENABLE
- 33 CAR 1 EXPLOSION TIME
- 34 CAR 2 EXPLOSION TIME
- 35 n.c.
- 36 POT CURSOR OF ACCELERATOR PLAYER 1
- 37 POT CURSOR OF ACCELERATOR PLAYER 2
- 38 OUT 1
- 39 GND OUT 1
- 40 n.c.
- 41 n.c.
- 42 CUP APPARITION TIME
- 43 COIN METER
- 44 + 5 Vcc

- 1 GND
- 2 OUT 4
- 3 + 13 Vcc
- 4 STARTMAN
- 5 FLASH
- 6 LED 1
- 7 LED 2
- 8 ON-OFF
- 9 ON-OFF
- 10 CAR 2 DRIVE DISABLING
- 11 COIN
- 12 CAR 2 STEERING WHEEL POT CURSOR
- 13 CAR 1 STEERING WHEEL POT CURSOR
- 14 SPEED CHANGE CAR 1
- 15 n.c.
- 16 2 PLAYERS ROAD WIDENING
- 17 EXTENDED PLAY 2
- 18 CAR 1 ON OIL
- 19 CAR 2 ON OIL
- 20 SPEED CHANGE CAR 2
- 21 + 12 Vcc
- 22 + 5 Vcc

- TTL
- SN 7400 D7 G6 H5 H6 L6 L7
 - SN 7402 18
 - SN 7404 B6 D8 F6 L8
 - SN 7405 B4 F8 G5
 - SN 7407 A9
 - SN 7408 E6 E8
 - SN 7410 16
 - SN 7414 C3
 - SN 7430 A6
 - SN 7432 17
 - SN 7442 A4
 - SN 7473 D6 E7
 - SN 7474 E5 N2
 - SN 7490 D5 L4
 - SN 74123 C5
 - SN 74393 B5
 - SN 74C04 D1 L1 L5
 - NE 556 D3
 - LM 324 L3
 - LM 339 H4 L2 M5
 - 4016 H3
 - 5837 M2
 - 50240 D4
 - TBA 810 B7 N7

- TRANSISTOR
- T1 BD 226 (NPN)
 - T2 BC 209C (NPN)
 - T3 BC 309B (PNP)
- DIODE
- D BA 222 (SIGNAL DIODE)
 - D1 1N4004 (RECTIFIER DIODE)
 - D2 ZPD 10 (ZENER DIODE)